



COURSE IMPLEMENTATION DATE: September 2009
 COURSE REVISED IMPLEMENTATION DATE: January 2014
 COURSE TO BE REVIEWED: January 2020
(six years after UEC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

MATH 063	Upgrading and University Preparation	1.5
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
	Fundamental Math IV	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This is the last of four basic mathematics courses. At this level, students will be introduced to basic algebraic concepts, units of measurement, and concepts of geometry. They will also learn to obtain information from statistical graphs. They will be encouraged to use critical thinking skills throughout the course and to set further numeracy goals for themselves at the end of the course.

PREREQUISITES: MATH 062; or UUP Dept. permission
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):	SERVICE COURSE TO: <i>(department/program)</i>
(a) Replaces: <u>MATH 061</u>	
(b) Cross-listed with: _____	
(c) Cannot take: _____ for further credit	

TOTAL HOURS PER TERM: <u>45</u>	TRAINING DAY-BASED INSTRUCTION:
STRUCTURE OF HOURS:	Length of course: _____
Lectures: _____ Hrs	Hours per day: _____
Seminar: _____ Hrs	
Laboratory: _____ Hrs	
Field experience: _____ Hrs	
Student directed learning: _____ Hrs	
Other (specify): Individual <u>45</u> Hrs	
and/or small group work	
	OTHER:
	Maximum enrolment: <u>24</u>
	Expected frequency of course offerings: <u>Every semester</u>
	<i>(every semester, annually, every other year, etc.)</i>

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

Course designer(s): <u>Anna Kuczynska, Darlene Carson, Judy Larsen, Leonne Beebe, Barbara Stirskey, Greg St. Hilaire</u>	
Department Head: <u>Trudy Archie</u>	Date approved: <u>April 2013</u>
Campus-Wide Consultation (CWC)	Date of meeting: <u>May 31, 2013</u>
Curriculum Committee chair: <u>Anna Kuczynska</u>	Date approved: <u>September 13, 2013</u>
Dean/Associate VP: <u>Sue Brigden</u>	Date approved: <u>September 13, 2013</u>
Undergraduate Education Committee (UEC) approval	Date of meeting: <u>September 27, 2013</u>

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

1. Use order of operations to evaluate expressions involving exponents and absolute values
2. Translate sentences into equations
3. Use operations on integers
4. Solve application problems involving integers
5. Solve basic linear equations
6. Recognize, define, and convert basic metric and imperial units
7. Measure temperature, length, mass, and capacity using an appropriate measuring device
8. Determine the perimeter, area, and volume of geometric shapes
9. Identify and obtain information from pictographs, bar graphs, histograms, line graphs, and circle graphs
10. Determine mean, median, and mode given a set of data

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Methods will vary with the instructor, but may include mini lessons, individual assistance, group activities, assignments, demonstrations, group problem-solving, math labs, and computer-assisted learning.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s): Not appropriate

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Hutchison, D, Berman, B, & Baratto, S. (2007) Prealgebra: An Integrated Equations Approach (2nd Edition).
McGraw-Hill Ryerson.
Instructor-developed materials

SUPPLIES / MATERIALS:

Scientific Calculator

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Chapter tests/activities: 60%
Final exam: 40%

Weightings will vary with individual instructors, but assessment methods may include assignments, lab activities, unit tests, a mid-term examination, and a final examination.

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Basic algebraic concepts
Metric and imperial conversions
Perimeter, area, and volume
Basic statistical concepts